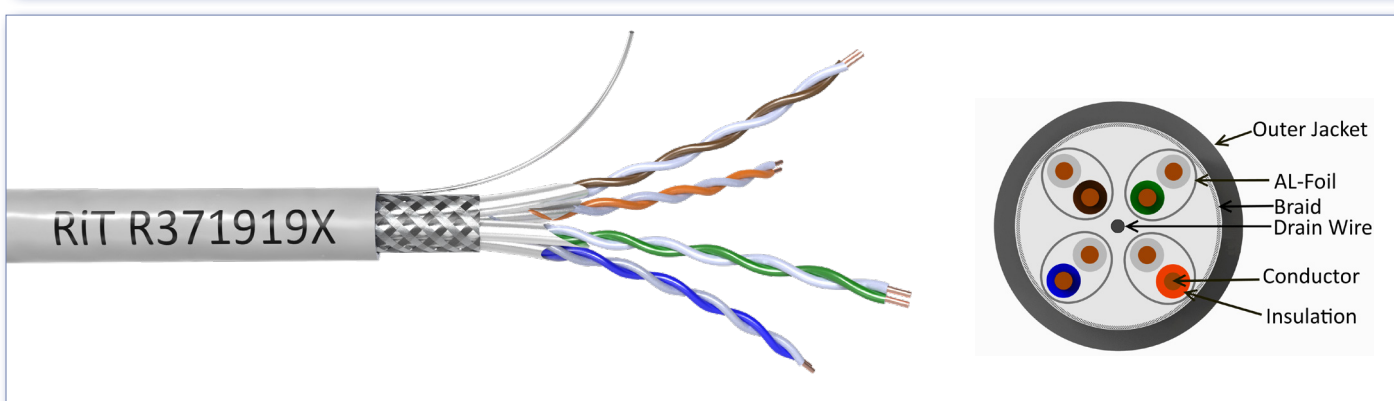
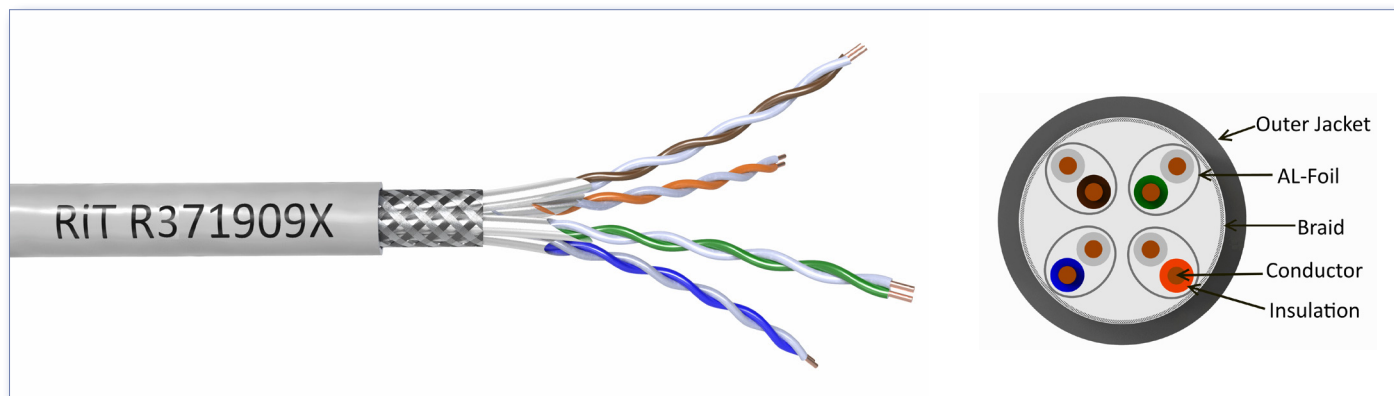




RiT Category 7 S/FTP Cable, 23 AWG solid wires, 4 individually AL-Foil shielded twisted pairs, overall braiding (35/40/55%), with/without drain wire cabled together and jacketed with LSZH compound.

KEY APPLICATIONS

- 10/100/1000Base-T, 10G
- Power over Ethernet (PoE)

STANDARDS COMPLIANCE

- ISO/IEC 11801
- IEEE 802.3bt (PoE Type 4)
- UL Subject 444
- IEC 61156-5
- Flammability Rating:
IEC 60332-1
IEC 60332-3-22(3A)
- Acid Gas Emission Test IEC 60754-1&2
- Smoke Density Test IEC 61034-1&2
- CPR Class Dca-s1a,d1,a1
- RoHS2: Directives 2011/65/EU, 2015/863/EU

KEY FEATURES

- Designed to support Cat 7 Link and Channel performance
- Electrical performance up to 600 MHz
- Supports PoE Type 4 applications (IEEE 802.3bt)
- 100% factory tested

TECHNICAL SPECIFICATION

FREQ.	Attenuation	RL	NEXT	PS NEXT	EL FEXT	PS ELFEXT	Delay
MHz	dB/100m	dB	dB	dB	dB	dB	ns/100m
4	3.7	23	78	75	78	75	552
8	5.2	24.5	78	75	77.2	74.2	547
10	5.9	25	78	75	75.3	72.3	545
16	7.4	25	78	75	71.2	68.2	543
20	8.3	25	78	75	69.3	66.3	542
25	9.3	24.3	78	75	67.3	64.3	541
31.25	10.4	23.6	78	75	65.4	62.4	540
62.5	14.9	21.5	75.5	72.5	59.4	56.4	539
100	19	20.1	72.4	69.4	55.3	52.3	538
200	27.5	18	67.9	64.9	49.3	46.3	537
250	31	17.3	66.4	63.4	47.3	44.3	536
300	34.2	17.3	65.2	62.2	45.8	42.8	536
500	45.3	17.3	61.9	58.9	41.3	38.3	536
600	50.1	17.3	60.7	57.7	39.7	36.7	535

Cable Construction	
Outer Jacket Diameter & Color	Ø7.3mm Nom, Light Gray
Outer Jacket Thickness	0.55mm Nom
Outer Jacket Material	LSZH, FR (Flame Retardant)
Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Conductor unit lay-up	Twisted Pairs
Number of conductors	8
Drain-wire (when applicable)	Ø0.4 mm Tinned Copper
Insulation Material	SFS-PO or FS-PO
Color Code	White - Blue, White - Orange, White - Green, White - Brown
Ind. Pair Shield Design	Helically applied Polyester-Aluminum foil 100% coverage
Ind. Pair Shield Material	Aluminum/ Poly-laminated Foil
Overall Shielding	Tined Copper wire braid (30/40/55% coverage)
Cable Marking	RiT P/N, Cable Description, Meter Mark and Batch Number

Electrical Characteristics	
Frequency Range	600 MHz
Characteristic Impedance	100 Ω ±15 Ω (1-100Mhz) 100 Ω ±22 Ω (101-250Mhz) 100 Ω ±25 Ω (251-600Mhz)
Max. DC Resistance	77 Ω/Km
Insulation Resistance	5000 MΩ•Km min. @ 500 Vdc
Coupling Attenuation (for braiding ≥40%)	IEC 61156-5 Type I
Screening Attenuation	60 dB min @ 30-1000 MHz
Max. Resistance Unbalance	2 % (in pairs)
Capacitance	56 pF/m nom. @ 1 KHz
Max. Propagation Delay	534+36/f1/2 nS/100m
Max. Propagation Delay Skew:	20 ns/100m
Max. Capacitance Unbalance	1600 pF/1Km
Dielectric Strength	700 V/ 1 minute
NVP	74%
Max. Voltage Rating	72 Vdc



Mechanical Properties	
Minimum Bending Radius	60mm Long Term, 40mm Short Term
Maximum Pulling Force	110 N
Storage Temperature	-20°C to +60°C
Operating Temperature	-20°C to +65°C
Installation Temperature	0°C to +50°C
Weight	~ 51 Kg/Km

ORDERING INFORMATION

P/N	DESCRIPTION
R3719090	CAT7, S/FTP, Horizontal Cable, 23AWG, LSZH, 35% Braiding, 332-3-22, without Drain Wire, Gray, 500m Reel
R3719095	CAT7, S/FTP, Horizontal Cable, 23AWG, LSZH, 35% Braiding, 332-3-22, without Drain Wire, Gray, 305m Reel
R3719190	CAT7, S/FTP, Horizontal Cable, 23AWG, LSZH, 35% Braiding, 332-3-22, with Drain Wire, Gray, 500m Reel
R3719195	CAT7, S/FTP, Horizontal Cable, 23AWG, LSZH, 35% Braiding, 332-3-22, with Drain Wire, Gray, 305m Reel
R3719490	CAT7, S/FTP, Horizontal Cable, 23AWG, LSZH, 40% Braiding, 332-3-22, with Drain Wire, Gray, 500m Reel
R3719290	CAT7, S/FTP, Horizontal Cable, 23AWG, LSZH, 55% Braiding, 332-3-22, with Drain Wire, Gray, 500m Reel
R3719390	CAT7, S/FTP, Horizontal Cable, 23AWG, LSZH, 55% Braiding, 332-3-22, without Drain Wire, Gray, 500m Reel
R3719199	CAT7, S/FTP, Horizontal Cable, 23AWG, LSZH, 35% Braiding, 332-3-22, without Drain Wire, Red, 500m Reel

Packing:

Available in Reels of guaranteed 305/500 Meter Length